

INTERNATIONAL SEARCH REPORT

International Application No
PCT/NL2005/000026

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N5/08 C12N5/06 A61P17/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	BASSET-SEGUIN N ET AL: "Reconstituted skin in culture: A simple method with optimal differentiation" DIFFERENTIATION, vol. 44, no. 3; September 1990 (1990-09), pages 232-238, XP000571262 ISSN: 0301-4681 the whole document ----- -/--	19-24

☒ Further documents are listed in the continuation of box C.

☐ Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

12 August 2005

Date of mailing of the international search report

19/08/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Teyssier, B

INTERNATIONAL SEARCH REPORT

International application No.
PCT/NL2005/000026

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 20-24 are directed to methods of treatment of the human body, the search has been carried out and based on the alleged effects of the compositions.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/NL2005/000026

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	LEE DONG-YOUN ET AL: "A new skin equivalent model: Dermal substrate that combines de-epidermized dermis with fibroblast-populated collagen matrix" JOURNAL OF DERMATOLOGICAL SCIENCE, vol. 23, no. 2, June 2000 (2000-06), pages 132-137, XP002301200 ISSN: 0923-1811 cited in the application the whole document	1-9, 12-24
X	CHAKRABARTY K H ET AL: "Development of autologous human dermal-epidermal composites based on sterilized human allodermis for clinical use" BRITISH JOURNAL OF DERMATOLOGY, vol. 141, no. 5, November 1999 (1999-11), pages 811-823, XP002301201 ISSN: 0007-0963 the whole document	1-9, 12-24
X	GHOSH M M ET AL: "A comparison of methodologies for the preparation of human epidermal-dermal composites." ANNALS OF PLASTIC SURGERY, vol. 39, no. 4, October 1997 (1997-10), pages 390-404, XP000878553 ISSN: 0148-7043 cited in the application the whole document	1-9, 12-24
X	RALSTON D R ET AL: "The requirement for basement membrane antigens in the production of human epidermal/dermal composites in vitro" BRITISH JOURNAL OF DERMATOLOGY, vol. 140, no. 4, April 1999 (1999-04), pages 605-615, XP002301202 ISSN: 0007-0963 the whole document	1-9, 12-24
X	KREJCI N C ET AL: "In-vitro reconstitution of skin: Fibroblasts facilitate keratinocyte growth and differentiation on acellular reticular dermis" JOURNAL OF INVESTIGATIVE DERMATOLOGY, vol. 97, no. 5, November 1991 (1991-11), pages 843-848, XP008037008 ISSN: 0022-202X the whole document	19-24
	----- -/--	

INTERNATIONAL SEARCH REPORT

International Application No
PCT/NL2005/000026

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PONEC M ET AL: "Characterization of reconstructed skin models"</p> <p>SKIN PHARMACOLOGY & APPLIED SKIN PHYSIOLOGY,</p> <p>vol. 15, no. Suppl. 1,</p> <p>December 2002 (2002-12), pages 4-17,</p> <p>XP008030952</p> <p>ISSN: 1422-2868</p> <p>-----</p>	